



Service Manual

A-5000

Horizontal Folding Arm, 24", 2" Post
Mount with Vacuum Package

Installation

1. Place the shipping carton in the desired location. Remove the vacuum system with folding arm from the shipping carton.
2. Mount the post clamp to the post at the desired height.
3. Insert the rigid arm into the post clamp.
4. Place the HVE and S/E valves in their holders and connect the tubing to the ports on the vacuum cannister. Connect the drain and syringe tubing to the appropriate connections.
6. Place the syringe in its holder.

Final Adjustments

Check air pressure, adjust to 80 psi if necessary.
Check water pressure, adjust to 40 psi if necessary.
Check vacuum cannister for solids screen.
Test HVE and S/E valves for proper function.
Test syringe for proper pressure and function.

Operation

1. Insure that the central vacuum system is turned on and air and water pressure are at the proper setting.
2. Lift the vacuum valve out of the holder and push the lever down towards the base of the valve to allow vacuum to begin.

Cleaning

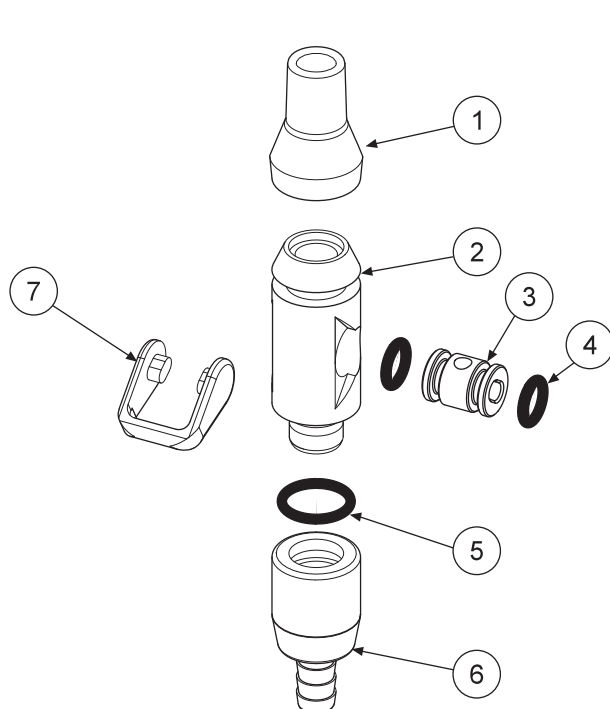
1. Separate valves from tubing at the quick disconnect swivel by pulling them apart. Remove the lever and the spool and clean in an ultrasonic cleaner.
2. Rinse thoroughly before putting components into autoclave.
3. Lubricate O-Rings on the spool with a silicone based lubricant and reassemble.

Autoclavable HVE & S/E Valves

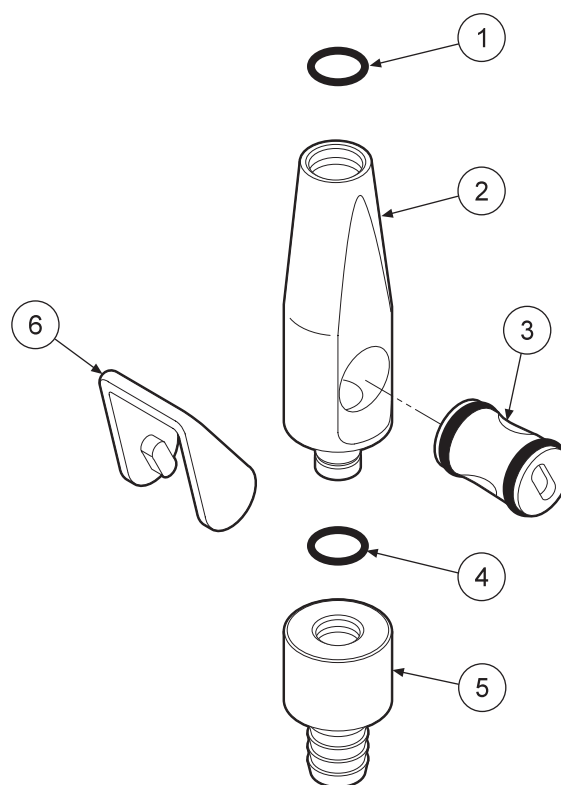
Maintenance Autoclavable vacuum valves may be autoclaved by steam autoclave or a chemical vapor. Due to the tight clearances and hardness of the anodized surfaces, the valve spool can become jammed or seize in the valve if it is sterilized while contaminated with debris.

Valves can be quickly disassembled for cleaning.

1. Pry one side of the lever and flip it off of the valve. For saliva ejector valves, remove the tip also.
2. Push out the valve spool and clean all the disassembled parts in an ultrasonic cleaner daily. *Rinse thoroughly before putting into autoclave.*
3. Lubricate the O-Rings on the spool with a silicone based lubricant before reassembly.

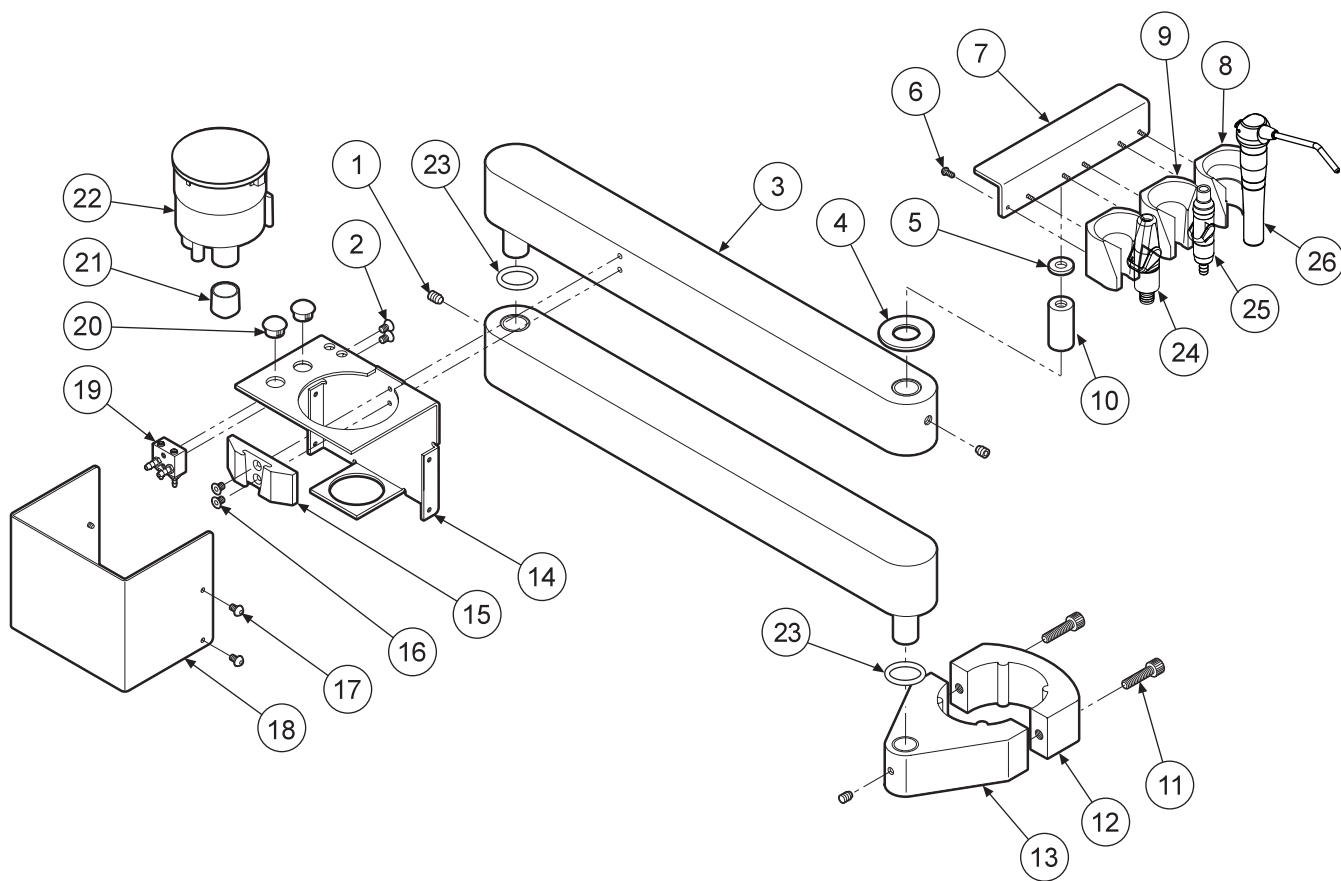


ITEM	PART DESCRIPTION	PART NUMBER	QTY
1	Tip.....	112-174	1
2	Body.....	112-276	1
3	Spool.....	112-278	1
4	O-Ring #10.....	017-110	2
5	O-Ring, #12.....	017-012	1
6	Swivel.....	112-177	1
7	Lever.....	112-181	1

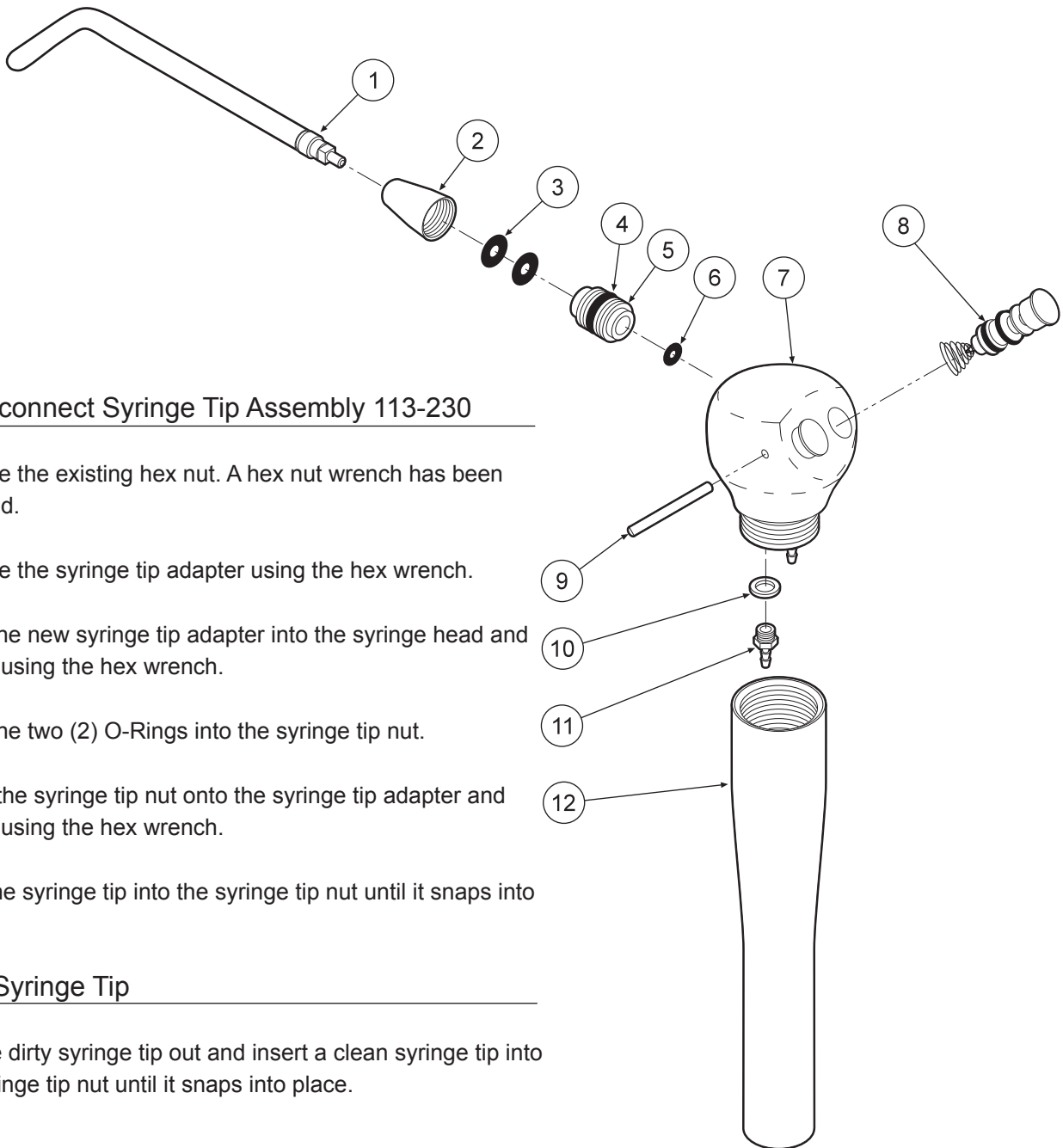


ITEM	PART DESCRIPTION	PART NUMBER	QTY
1	O-Ring, #13.....	017-113	3
2	Body.....	112-266	1
3	Spool.....	112-268	1
4	O-Ring #13.....	017-113	1
5	Swivel.....	112-170	1
6	Lever.....	112-169	1

AUTOCLAVABLE S/E LEVER VALVE, CHROME 112-280 **AUTOCLAVABLE STANDARD HVE VALVE 112-262**



ITEM	PART DESCRIPTION	PART NUMBER	QTY	ITEM	PART DESCRIPTION	PART NUMBER	QTY	ITEM	PART DESCRIPTION	PART NUMBER	QTY
1	Set Screw, 10-32 x 1/4"	005-026	3	10	Pivot Adapter	105-012	1	19	Syringe Block	113-027	1
2	Screw, 6-32 x 3/8"	001-013	2	11	Screw, 1/4-20 x 1"	001-169	2	20	Plug, 1/2"	010-013	2
3	Folding Arm, 12"	105-032	2	12	Post Mount Clamp	105-088	1	21	HVE Port Plug	010-009	1
4	Washer, 1/2"	003-006	1	13	Post Mount Bracket	105-087	1	22	Cannister	131-019	1
5	Washer, 5/16"	003-012	1	14	Box Cover	105-091	1	23	Washer, O-ring	003-057	2
6	Screw, 4-3/8"	001-135	6	15	Vertical Cannister Mounting Bracket	131-038	1	24	Autoclavable Standard HVE Valve	112-262	1
7	Holder Bracket	105-005	1	16	Screw, 10-32 x 1/4"	001-087	2	25	Autoclavable S/E Valve	112-280	1
8	Vacuum Handpiece Holder	141-038	1	17	Screw, 6-32 x 1/4"	001-133	4	26	Syringe	113-400	1
9	Handpiece Holder	141-006	1	18	Box Enclosure	105-090	1				



Quick-disconnect Syringe Tip Assembly 113-230

1. Remove the existing hex nut. A hex nut wrench has been provided.
2. Remove the syringe tip adapter using the hex wrench.
3. Insert the new syringe tip adapter into the syringe head and tighten using the hex wrench.
4. Place the two (2) O-Rings into the syringe tip nut.
5. Screw the syringe tip nut onto the syringe tip adapter and tighten using the hex wrench.
6. Push the syringe tip into the syringe tip nut until it snaps into place.

Replace Syringe Tip

1. Pull the dirty syringe tip out and insert a clean syringe tip into the syringe tip nut until it snaps into place.

ITEM	PART DESCRIPTION	PART NUMBER	QTY
1	Syringe Tip	113-030	1
2	Syringe Tip Nut	113-402	1
3	O-Ring, 006	017-006	2
4	O-Ring, 228-040	017-023	1
5	Syringe Tip Adapter	113-227	1
6	O-Ring, 003	017-003	1
7	Syringe Head	113-405	1
8	Syringe Button Repair Kit	113-403	2
9	Pin, Syringe Cartridge	113-008	1
10	Plastic Washer, 8-32	003-030	2
11	Barb, 8-32 x 1/16"	022-040	2
12	Syringe Handle	113-236	1